## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS  | ID NO.   | DATE      |  |  |  |  |  |
|---------------------------|-----------|----------|-----------|--|--|--|--|--|
| FEE DETERMINATION         | SŸ        |          | 14.30.01  |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | ~ · · · · | 3:       | 3</td     |  |  |  |  |  |
| FORMALITY REVIEW          | 1         | 931      | 105-01-01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | - fells   | 1091     | 8-29-0    |  |  |  |  |  |
|                           |           | <u> </u> | <u>'</u>  |  |  |  |  |  |

## **INDEX OF CLAIMS**

| Rejected                                       | N Non-elected |
|--|---------------|
| = Allowed                                      | 1Interference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal      |
| ÷ Restricted                                   | O Objected    |

|          |          | _   |          |             |                   |            |                 |              |              |   |          | _                       |     |          | . т      |           |                    |          |          |          |  |                |          |          | $\neg$   |     | Cia      |          |              | _        |              |          | 7211     |          |          | —   |   | ٦             |
|----------|----------|-----|----------|-------------|-------------------|------------|-----------------|--------------|--------------|---|----------|-------------------------|-----|----------|----------|-----------|--------------------|----------|----------|----------|--|----------------|----------|----------|----------|-----|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|---|---|---------------|
|          | aim      | 4   | ٠        | -,          |                   | _          | Date            | 9            | - 1          |   |          |                         |     | Cta      |          | Т         |                    | -        | _        | Date     | <del>)</del>                                     |                | Т        | ī        | $\dashv$ |     | Cla      | $\neg$   | Т            | Т        | Т            | $\dashv$ | Date     | <u>,</u> | $\neg$   | $\neg$  | $\neg$  | $\dashv$      |
| Final    | Catainal |     | 50/25/10 |             |                   |            |                 |              |              |   |          |                         |     | Final    | Original |           |                    |          |          |          |  |                |          |          |          |     | Final    | Original |              |          |              |          |          |          |          |   |   |               |
| 7        | Ü        | 小   | 7        |             |                   | $\neg$     | T               | T            |              |   |          | $\Box$                  |     |          | 51       | П         | $\Box$             |          |          |          |  |                | $\perp$  | $\perp$  | _        |     | Ш        | 101      | ⊥            |          | ⅃            | $\perp$  | $\sqcup$ | _        | _        | 4   | 4   | 4             |
|          | 1        |     |          | $\neg$      | $\neg$            |            |                 |              |              |   |          |                         |     | Г        | 52       |           |                    |          |          |          |  | _1             |          |          |          |     | Ш        | 102      | $\perp$      | $\perp$  |              | _        | $\perp$  | _        | _        |   | $\bot$  | ╛             |
|          | _        | 3   | 1        | 寸           | 一                 | ヿ          |                 |              |              |   |          |                         |     |          | 53       | П         | 7                  |          |          |          |  |                |          |          |          |     |          | 103      |              |          |              |          |          | $\perp$  |          | $\bot$  | 丄   | ╛             |
| _        | 1        | ᆒ   | Ħ        | 1           | $\dashv$          | 7          | 7               | 寸            |              |   |          | П                       |     |          | 54       | $\dashv$  | 寸                  | $\neg$   |          |          | $\Box$   |                |          |          |          |     | _        | 104      | $\perp$      |          |              |          | $\Box$   | $\Box$   | $\dashv$ | _   | 4   | _             |
|          | 1        |     | Ħ        | 寸           | $\neg$            |            |                 | 一            |              |   | _        | П                       |     |          | 55       | $\neg$    |                    |          |          |          |  |                |          |          |          |     |          | 105      |              |          |              |          | $\dashv$ | _        | _        | $\dashv$  | 4   | _             |
| _        | 1        | -44 | H        | ┪           |                   | 寸          | 一               | $\neg$       |              |   |          | П                       |     |          | 56       |           | $\neg$             |          |          |          |  |                |          |          |          |     |          | 106      |              |          |              | $\dashv$ | $\Box$   | _        | _        | $\dashv$  | _   | ┙             |
| _        | 7        |     | Н        | 一           | $\neg$            | 一          | 乛               | ┪            |              |   |          |                         |     |          | 57       | T         |                    |          |          |          |  |                |          |          |          |     | $\sqcup$ | 107      | $\perp$      |          |              |          | $\Box$   | $\dashv$ | _        | $\dashv$  | _   | 4             |
| -        | † {      |     | H        | $\neg$      |                   |            | $\neg$          | $\neg$       |              | П   | _        | $\Box$                  |     |          | 58       |           |                    | $\neg$   |          |          |  |                |          |          |          |     |          | 108      | $\perp$      |          |              | _        | $\Box$   | ┙        | $\sqcup$ |   | $\dashv$  | _             |
| _        | →        | 9   | H        | 寸           | $\neg$            |            | ┪               |              |              |   | _        | П                       |     |          | 59       | T         |                    |          |          |          | $\neg$   |                |          |          |          |     |          | 109      |              |          |              |          |          |          |          | $\perp$   |   |               |
| _        | 11       | -   | H        | -           |                   |            | $\neg$          |              | _            | П   | _        | П                       |     | Г        | 60       |           | $\neg$             | T        |          |          |  |                | $\Box$   | $\neg$   |          |     |          | 110      |              |          |              |          |          |          |          | ${oldsymbol{\perp}}$                              | $\perp$   |               |
| _        | 1        |     | Н        | -           |                   | $\neg$     |                 |              |              | Н   |          | П                       |     | Г        | 61       |           | $\neg$             |          |          |          |  |                |          | $\neg$   | $\Box$   |     |          | 111      |              |          |              |          |          |          |          |   | $\perp$   | _j            |
| _        | 1:       |     | H        | _           |                   | $\neg$     | $\neg$          |              |              | Н   |          | Н                       |     | Г        | 62       | 一         | ╗                  | $\Box$   |          |          |  | ヿ              | ヿ        |          |          |     | [·       | 112      | П            |          |              |          |          |          |          |   | $\perp$   | ╛             |
|          | 1        | _   | H        | $\dashv$    | -                 | Н          | Н               | Н            |              | П   | Т        | М                       |     |          | 63       | ┪         |                    | П        |          |          |  | $\neg$         | $\neg$   | $\neg$   |          |     |          | 113      | $\Box$       | _T       |              |          | $\Box$   | $\Box$   | $\Box$   | $_{\perp}$  | $\perp$   |               |
|          | 1        | -   | H        | $\exists$   | -                 | H          | Н               | Н            | _            |   | H        | М                       |     | $\vdash$ | 64       | $\exists$ | 一                  | П        | П        | П        |  |                | 寸        | $\neg$   | П        |     |          | 114      | $\Box$       | _1       |              |          | $\Box$   |          | $\Box$   | Ī   | $\bot$  |               |
| _        | 1        | ~   | H        | Н           |                   | H          |                 | H            |              | П   | $\vdash$ | $\vdash$                |     |          | 65       | _         |                    | П        |          | П        |  |                |          |          |          |     |          | 115      | $\neg$       | ٦        |              |          |          |          |          | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}}}}$ |               |
| _        | 1        |     | Н        | H           | _                 | Н          | Н               | Н            |              | <del>                                     </del>  |          | T                       |     | $\vdash$ | 66       |           |                    | П        | Г        | П        |  |                |          |          |          |     |          | 116      |              |          |              |          |          |          |          | $oxed{oxed}$                                      | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |               |
|          | 1        | _   | Н        | -           |                   |            | $\vdash$        | H            | -            | ┪   | Т        | Ι-                      |     | $\vdash$ | 67       | $\exists$ |                    | П        | Γ        | П        | П  |                | 一        | П        |          |     |          | 117      | 丁            | _        |              |          |          |          |          | $\Box$  | $\Box$  |               |
| -        | 1        |     | Н        | _           | -                 | -          | H               |              | ┝            | ╁   | $\vdash$ | t                       |     |          | 68       |           |                    | П        | 1        |          |  |                |          |          |          | ŀ   |          | 118      |              |          |              |          |          |          |          |   |   |               |
| _        | Ť        | -   | Н        | -           |                   | $\vdash$   | $\vdash$        | $\vdash$     | $\vdash$     | ┢   | H        | ╁╌                      |     | $\vdash$ | 69       |           |                    |          | $\vdash$ | $\vdash$ | Г  |                |          | П        |          | l   |          | 119      | 1            | $\neg$   | $\neg$       |          |          |          | П        |   | П   |               |
| _        | -        | -+  | Н        | H           |                   | ┝          | H               | -            |              | ╁   | ┝        | ╁                       | 1   | $\vdash$ | 70       | _         | -                  | Н        | -        |          | <del>                                     </del> |                | Н        |          | Г        |     | $\vdash$ | 120      | $\neg$       | $\neg$   |              |          | П        | П        | П        | П   | $\exists$   |               |
| _        | 2        | _   | 1        | ⊢           | <u> </u>          | <u> </u>   |                 | ├-           | -            | ⊢   | ┝        | ╀                       | 1   | $\vdash$ | 71       |           |                    | ┢        | -        |          | -  |                |          | Н        | $\vdash$ | l   | $\vdash$ | 121      | $\dashv$     | ┪        | $\neg$       | _        |          | П        | П        | ╗   |   | $\overline{}$ |
| _        | 2        | -   | <u>v</u> | <b> -</b> - | ⊢                 | -          | ⊢               | -            | -            | ┝   | ┝        | ┼                       | 1   | $\vdash$ | 72       | _         | -                  | ╌        | $\vdash$ | ╁        | $\vdash$   | <del>  -</del> | H        | $\vdash$ | $\vdash$ | 1   | $\vdash$ | 122      | $\dashv$     | -        | ᅥ            |          | H        |          | П        |   | $\dashv$  | _             |
| -        | 2        |     | _        | _           | -                 |            | -               | ⊢            | <del> </del> | ⊢   | ⊢        | ┼-                      | ┨   | $\vdash$ | 73       | -         | -                  | ⊢        | ╀        | ┝-       | -  | <del> </del>   | -        | ┢        | ┢        | 1   | $\vdash$ | 123      | $\dashv$     | $\dashv$ |              |          |          |          | -        |   |   | _             |
| _        |          | 23  | _        | -           | -                 | 1          | -               | -            | ŀ            | -   | -        | +                       | - 1 | ⊬        | 74       |           | -                  | ⊢        |          | H        |  | <del>  -</del> | ÷        | -        | ┝        | ┧ ・ | -        | 124      |              |          |              |          |          | _        | 7.       | 75  | =   | ₹             |
| -        |          | 4   | <br>     |             | -                 | =          |                 | -            | ┝╌           | -   | -        | - <u>-</u>              | -   | ╬        | 75       | -         |                    |          | -        | <u> </u> | -  | H              | -        | ┢        | ١.       | 1   | ┝        | 125      | -            | -        | -            |          | 30       | - 3      |          |   |   | 7 E           |
|          |          | 1   |          | ⊢           |                   | -          | <del> -</del> - | ŀ٠           | ⊢            | -   | -        | ╁                       | ł   | $\vdash$ | 76       | ┝         | <del> </del>       | $\vdash$ | ⊢        | F        | -  | ┢              | -        | ╁        | H        | 1   | +        | 126      |              |          | -            | _        |          | М        | -        |   | 门   | _             |
| -        | 2        |     | _        | 1           | ⊢                 | ⊢          | 1               | ┼-           | ╄            | ╄   | ╀        | +                       | ┨   | -        | 77       | ⊢         | ├─                 | ╁╌       | ╁        | ╁        | ╁  | ┢              | ╁        | $\vdash$ | ┢        | 1   | H        | 127      | H            | _        | ┢╌           | 一        | ┢        | -        | Г        | -   | П   |               |
| _        | 2        |     | _        | -           | ⊢                 | ⊢          | ▙               | ┼-           | ╀            | +   | ╁╴       | +                       | ┨   | $\vdash$ | 78       | ⊢         | ╀─                 | $\vdash$ | ╀        | ╁        | ├-   | $\vdash$       | -        | $\vdash$ | ┢        | ┪   | ┢        | 128      | Н            |          | ┢            | _        | $\vdash$ | $\vdash$ | ┢        | Г   |   | Π             |
| _        |          | 8   |          | -           | ┡                 | <b>↓</b> - | ⊢               | ╀            | ╁            | ╂   | ╀        | ┿                       | -   | $\vdash$ | 79       | ⊢         | ├                  | ╁        | ╁        | ╀        | ┼-   | ╁              | -        | -        | ╁        | 1   | $\vdash$ | 129      | Н            |          | -            | 1        | <u> </u> | $\vdash$ | $\vdash$ |   | П   | Γ             |
| L        |          | 29  | _        | <u> </u>    | 1                 | ╀          | ⊢               | +            | -            | ┰   | ╁        | ╀                       | 4   | $\vdash$ | 80       | ┢         | ⊢                  | ╁        | ╁        | ╁        | ╁╌   | ╁              | ╌        | ╁        | H        | ┨   | $\vdash$ | 130      | $\vdash$     | _        |              | ļ.       | 1        | +-       | T        |   | П   | Г             |
| L        | _        | 30  |          | ⊢           | ⊢                 | ┼-         | ├-              | -            |              | ╀   | ╀        | ╁                       | -   | $\vdash$ | 81       | ┝         | ┝                  | ╁        | ╁╴       | ╁╌       | ╁╌   | ╁              | ┼        | ╁        | ╁        | ┨   | $\vdash$ | 131      | $\vdash$     | _        | ┪            | 1-       | ╁        | ⇈        | Ħ        | 一   |   | Г             |
| L        | _        | 31  |          | ▙           | ┡                 | ╀-         | -               | 1            | -            | +   | ╀        | ╀                       | ┥   | $\vdash$ |          | ⊢         | ┼-                 | ╁        | +-       | ╁        | ╁╌   | ╁              | +-       | ╁        | ╁        | 1   | $\vdash$ | 132      |              | _        | ┪            | $\vdash$ | $t^-$    | $\vdash$ | $\vdash$ | ⇈   | $\vdash$  | Г             |
| $\vdash$ | -        | 32  |          | $\vdash$    | ┡                 |            | $\vdash$        | +            | ╁            | +   | +        | +                       | -   | $\vdash$ | 82       | -         | +-                 | ╁        | ╀        | +-       | +-   | ╁              | ╁        | ╁┈       | $\vdash$ | 1   | $\vdash$ | 133      | -            | -        | +-           | $\vdash$ | t        | 1        | 1        | <del>                                      </del> | Н   | Г             |
| L        | _        | 33  | _        | 1           | 1                 | $\vdash$   | $\vdash$        | +            | -            | +   | +        | +-                      | -   | $\vdash$ | 84       |           | ╀                  | +-       | 十        | +        | +  | ╁              | $\vdash$ | +        | ╁        | 1   | $\vdash$ | 134      |              | $\vdash$ | $\vdash$     | Τ.       | +-       | +-       | $\vdash$ | 1   | Ħ   | T             |
| L        |          | 34  |          | $\vdash$    | 1                 | ╀-         | ╀               | +            | ╀            | ╀   | $\bot$   | +                       | -   | $\vdash$ | 85       |           | ⊢                  | ╀        | +        | ╁        | ╄  | ╁              | $\vdash$ | ╁╌       | +        | 1   | $\vdash$ | 135      |              | -        | ┢            | 十        | $\top$   | $\top$   | †-       | $\top$  | $\vdash$  | T             |
| L        |          | 35  | <u> </u> | $\vdash$    | ╀                 | ↓_         | $\vdash$        | 1            | 1            | 4   | +        | 1                       | -   | $\vdash$ | 86       |           | +-                 | +        | +-       | ╁        | +  | +              | +        | ╁        | +        | +   | -        | 138      | _            | -        | $\vdash$     | 1-       | T        | T        | T        | t   | $\vdash$  | $\vdash$      |
| L        | -        | 36  | <u> </u> | ╄           | $\vdash$          | $\bot$     | 1               | +            | $\vdash$     | ╁   | +        | +                       | 4   | $\vdash$ |          | -         | ╀                  | +        | +        | ╁        | +  | 1              | ╁        | ╁        | ╁        | -   | -        | 137      | —            | $\vdash$ | $\vdash$     | $\vdash$ | $t^{-}$  | +-       | +        | +-  | 1   | <u> </u>      |
| L        |          | 37  | <u> </u> | $\vdash$    | 1                 | 1-         | +               | +            | +            | +-  | +        | +                       | 4   | $\vdash$ | 87       | -         | +                  | +-       | +        | +-       | ╁  | +              | +        | +-       | ╁        | ┨   | 十        | 138      | -            | -        | t            | $\vdash$ | †-       | +-       | 1        | T   | T   | $\vdash$      |
| L        | _:       | 38  | L        | ╄           | $\perp$           | +          | +               | ╄            | +            |   | 1        | +                       | 4   | $\vdash$ | 88       | -         | +                  | +        | +        | +        | ╁  | +              | ╁        | +-       | +        | ┨   | -        | 139      | -            | $\vdash$ | $\vdash$     | $\vdash$ | +        | +-       | T        | +   | 十   | <b>†</b>      |
| L        |          | 39  | _        | -           | 1-                | +          | $\perp$         | +            | +            | +   | +        | $\perp$                 | 4   | $\vdash$ | 89       | -         | ╀╌                 | +        | +        | +        | +  | ╁              | +-       | +        | +-       | 1   | $\vdash$ | 140      | +            | -        | +-           | +        | t        | +        | $\top$   | $\top$  | +-  | †-            |
| L        | _        | 40  | L        | $\perp$     | 1                 | $\perp$    | 1               | $\perp$      | 1            | $\perp$   | 1        | 1                       | 4   | L        | 90       | ٠.        | 4                  | 4        | +        | +        | +  | ╀              | +        | +        | +        | 4   | $\vdash$ | +        | <del> </del> | ├-       | +-           | +        | +        | +-       | +        | +   | <del> </del>  | +             |
| L        |          | 41  |          |             |                   |            | $\perp$         | $\perp$      | $\perp$      | $\perp$   | 1        | $\perp$                 | _   | L        | 91       | _         | $\perp$            | 1        | _        | 4        | $\perp$  | ╀-             | $\perp$  | +        | $\perp$  | 4   | $\vdash$ | 142      | 1-           | ├-       | +-           | +        | ╁        | +        | +-       | +   | ╀   | ╁             |
| Ĺ        |          | 42  |          |             | L                 |            |                 |              |              |   | $\perp$  |                         | _   | L        | 92       |           | 1                  | $\perp$  | $\perp$  | $\bot$   | $\perp$  | $\bot$         | 4_       | $\perp$  | +        | 4   | -        |          |              | ├        | ╁            | +-       | +        | +        | +        | +   | +   | +             |
|          |          | 43  |          |             |                   | Ľ          |                 |              |              |   |          |                         | ╛   | L        | 93       |           | $\perp$            | $\perp$  | 1        | $\perp$  | 1  | $\perp$        | 4        | 1        | $\bot$   | 4   | L        | 143      | _            | ╀        | ╀            | ╀        | ╀        | +        | +        | ╀   | ╁   | +-            |
|          |          | 44  |          | Ī           | $\prod_{i=1}^{n}$ |            |                 |              |              |   | $\perp$  |                         |     | L        | 94       |           | L                  | $\perp$  | 1        | $\perp$  | 1  | $\perp$        | 1        | $\perp$  | 1        | 4   | L        | 14       |              | ⊢        | +            | +        | +        | +-       | +        | ╀   | +   | ╀             |
|          |          | 45  | Γ        | Ι           | Τ                 | Ι          | Ι               | $oxed{\Box}$ | Ι            | $\perp$   | Ι        | $oldsymbol{\mathbb{T}}$ |     |          | 95       | _         |                    |          | Ĺ        | _        | 1  | ┸              | $\perp$  | $\perp$  | ╀        | 4   | Ļ        | 145      | _            | 1        | ╀            | +        | +        | +        |          | +   | +   | +             |
|          | ) ]      | 46  |          | Γ           | Ι                 | Ι          | Γ               | Ι            | Ι            | $oldsymbol{ol}}}}}}}}}}}}}}}$ | floor    |                         | ]   |          | 96       |           | L                  | L        |          |          | $\perp$  | $\perp$        | $\perp$  | 1        | $\perp$  | _   | L        | 140      |              | ╄        | 1            | +        | +        | +        | +        | 4-  | +   | +             |
| ľ        | Ī        | 47  | 1        |             | T                 | T          | T               | Τ            | T            |   | T        |                         |     |          | 97       | _         |                    |          |          | 1        | $\perp$  | $\perp$        | 丄        | $\perp$  | 1        | _   | L        | 14       |              | $\perp$  | 1            | $\perp$  | +        | +        | +        | 4-  | +   | +             |
| r        |          | 48  | Τ        | T           | T                 | Ť          | T               | 1            | T            | T   | 1        |                         |     | Γ        | 98       |           | Ι                  | Ι        | Ι        | $\perp$  | L  |                |          |          |          | _   | L        | 14       | -            | $\perp$  | $\downarrow$ | $\perp$  | 4        | +        | +        | +   | +   | +             |
| T        |          | 49  |          |             |                   |            |                 | Т            | T            |   | T        | J                       |     |          | 99       |           | $oxed{\mathbb{I}}$ | Ι        |          | $\perp$  | $\perp$  |                | Ĺ        |          | $\perp$  | _   | L        | 14       |              | $\perp$  | 1            | $\bot$   | 4        | +        | 4        | +   | +   | +             |
| Γ        | T        | 50  | Γ        | Т           |                   | T          | Т               | T            | Т            | $\perp$   |          | Т                       | 7   |          | 10       | d_        |                    | 1        |          |          | 1  | 1_             | 丄        | 1_       | ᆚ        | ┙   | L        | 15       | <u>q_</u>    | Ь.       | _            |          | ᆚ-       | ㅗ        |          | ــــــــــــــــــــــــــــــــــــــ            | Щ   | ㅗ             |

If more than 150 claims or 10 actions staple additional sheet here

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